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### 1 [Model-based object recognition in dense-range images—a review](#)

Farshid Arman, J. K. Aggarwal

 March 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 1

 Full text available: [pdf\(3.42 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The goal in computer vision systems is to analyze data collected from the environment and derive an interpretation to complete a specified task. Vision system tasks may be divided into data acquisition, low-level processing, representation, model construction, and matching subtasks. This paper presents a comprehensive survey of model-based vision systems using dense-range images. A comprehensive survey of the recent publications in each subtask pertaining to dense-range image object recogni ...

**Keywords:** 3D object recognition, 3D representations, CAD-based vision, dense-range images, image understanding

### 2 [Anisotropic geometric diffusion in surface processing](#)

U. Clarenz, U. Diewald, M. Rumpf

 October 2000 **Proceedings of the conference on Visualization '00**

 Full text available: [pdf\(4.65 MB\)](#)

 Additional Information: [full citation](#), [index terms](#)

**Keywords:** geometric modeling, image processing, numerical analysis

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